

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-229724

(43)Date of publication of application : 22.08.2000

(51)Int.Cl.

B65G 47/24

B65G 47/86

(21)Application number : 11-031270 (71)Applicant : TOPPAN PRINTING CO LTD

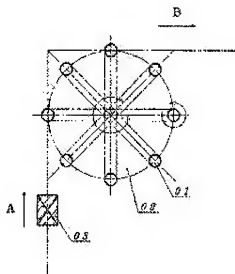
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(54) DIRECTION CONVERTING AND CARRYING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To continuously convert carrying direction and orientation of a material to be carried while tracking the material to be carried and while stably carrying the material to be carried at a high speed by providing a mechanism formed of a rotating member for pinching the material to be carried for support and for converting the carrying direction or orientation of the material to be carried.

SOLUTION: Multiple clampers 01 capable of selecting fixation or rotation thereof are arranged in the periphery of a rotor 02 with an equal space. These clampers 01 are synchronously rotated with a first tracking conveyor provided in the upstream and for carrying material 3 to be carried in a direction A and a second tracking conveyor for traveling in a direction B different from the carrying direction or the orientation of the material to be carried. As the basic operation, the material 03 to be carried, which is delivered from the first tracking conveyor, are rotated, for example, while being clamped in order so as to be carried, and cranked up on the second tracking conveyor so as to continuously convert the carrying direction and the orientation of the material 03 to be carried at a high speed.



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[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
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[Date of requesting appeal against
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[Date of extinction of right]

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